

# 江西植物小誌 I.

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## NOTULAE AD FLORAM KIANGSIENSEM I.

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### 穗花紫杉 *Amentotaxus argotaenia*, Pilg.

江西銅鼓縣，黃岡山，大西坑；喬木，直徑二十公分，果橙紅色；山間；稀見；熊耀國，06372 號，一九四七年，十月十五日。

分布：湖北，四川，雲南，廣東，香港，台灣；新發現於江西。

此種在華南自雲南分布至台灣，湖北爲其最北之分布區域，昔日在江西從未發現，亦未發現於廬山。此次發現於贛西北之黃岡山，顯爲自湖北分布而來，廬山爲一孤立山系，故雖有特殊植物種，但以較諸贛西，則種類較少，穗花紫杉之見於贛西而不見於廬山，即其一例。

*Amentotaxus argotaenia* (Hance) Pilger in Engl. Bot. Jahr. 54 (1916) 41.

Kiangsi: Tungu Hsien, Hwangkang Shan, Tasheken, among the hills, tree, 20 cm. in diam., fruit orange; rare; Y. K. Hsiung, no. 06372, Oct. 15, 1947.

Distribution: Hupeh, Szechuan, Yunnan, Kwangtung, Hongkong, Taiwan, new to Kiangsi.

This species is widely distributed from Yunnan to Formosa. Hupeh is the northmost station of distribution. It has not been recorded in Kiangsi before; not recorded at Lushan. Its recent discovery at Hwangkang Shan in northwestern Kiangsi denotes that it spreads to western Kiangsi from Hupeh. Lushan is an isolated mountain range. For this reason, Lushan has much fewer species of plants than northwestern Kiangsi, although there are endemic species. The presence of *Amentotaxus* in northwestern Kiangsi and its absence at Lushan is only one of the instances of plant distribution in this region.

### 香榧 *Torreya grandis* Fortune.

江西，銅鼓縣：上衫鄉，黃荆坑；喬木，高二十六公尺；少見；熊耀國 06121 號，一九四七年，九月二十六日。

分布：浙江，福建，安徽；新發現於江西。

**Torreya grandis** Fortune in Gard. Chron. (1857) 788.

Kiangsi: Tungu Hsien: Shangshanhsiang, Hwangchinken; tree, 26 m. high; rare; Y. K. Hsiung, no. 06121, Sept. 26, 1947.

Distribution: Chekiang, Fukien, Anhwei; newly discovered in Kiangsi.

**粗榧** *Cephalotaxus Harringtonia*, var. *sinensis*, Rehd.

江西, 銅鼓縣: 黃岡山, 大西坑; 喬木高十公尺; 山間, 少見; 熊耀國, 06400 號, 一九四七年, 十月十五日。

分布: 陝西, 甘肅, 河南, 江蘇, 浙江, 安徽, 湖北, 四川, 西康, 廣東, 雲南, 新發現於江西。

**Cephalotaxus Harringtonia** var. *sinensis*, Rehder in Journ. Arn. Arbor. 12: (1941), 519.

Kiangsi, Tungu Hsien: Hwangkang Shan, Tasheken, among the hills, tree 10 m. high; rare; Y. K. Hsiung, no. 06400, Oct. 15, 1947.

Distribution: Shensi, Kansu, Honan, Kiangsu, Chekiang, Anhwei, Hupeh, Szechuan, Sikang, Kwangtung, Yunnan; newly discovered in Kiangsi.

**長柄山毛櫸** *Fagus longipetiolata* Seemen.

江西修水縣: 幕阜山, 流水庵, 山溝中; 喬木, 少見; 熊耀國 05834 號, 一九四七年, 九月十日; 余袁山, 觀音堂, 寺側; 喬木, 直徑八十公分; 常見; 熊耀國, 06534 號, 一九四七年, 十一月十五日。

分布: 湖南, 湖北, 四川, 雲南, 貴州, 廣東, 浙江; 新發現於江西。

**Fagus longipetiolata** Seemen in Bot. Jahrb. XXIII. Beibl. No. 57 (1897) 56.

Kiangsi, Hsiushui Hsien: Mufu Shan, Liushuian, in the ravine; tree, rare; Y. K. Hsiung, no. 05834, Sept. 10, 1947; Yuyuan Shan, Kwanyintang, on the side of the temple; tree 80 cm. in diam., frequent; Y. K. Hsiung, no. 06534, Nov. 15, 1947.

Distribution: Hunan, Hupeh, Szechuan, Yunnan, Kweichow, Kwangtung, Chekiang; newly discovered in Kiangsi.

**亮葉山毛櫸** *Fagus lucida* Rehder. et Wilson.

江西, 修水縣: 幕阜山, 流水庵, 山間; 喬木, 常見; 熊耀國 05852, 05886 號, 一九四七年, 九月十日。

分布: 湖北, 四川, 貴州, 廣西; 新發現於江西。

**Fagus lucida** Rehder et Wilson in Sargent, Pl. Wills. 3: 191 (1916).

Kiangsi, Hsiushui Hsien: Mufu Shan, Liushuian, in the ravine; tree, frequent; Y. K. Hsiung, nos. 05852, 05886, Sept. 10, 1947.

Distribution: Hupeh, Szechuan, Kweichow, Kwangsi; newly discovered in Kiangsi.

**江西石栗** *Lithocarpus kiangsiensis*, 新種,

喬木; 小枝圓柱狀, 有條紋, 有灰色星狀細茸毛, 被有圓形皮孔。葉革質, 橢圓形, 窄橢圓

形至卵橢圓形, 頂端漸尖, 基部闊楔形至幾圓形, 全緣向外微卷, 兩面皆幾無毛, 上面綠色, 下面帶白霜, 長十八至二十四公分, 闊六·五至十公分; 中脈在兩面皆凸起, 近邊緣處微彎與環結, 成六十至七十度角; 小脈顯明, 幾平行, 成網狀, 葉柄粗壯, 無毛, 長二公分, 大蕊花序長至十一公分, 花序軸粗壯, 有灰色星狀細茸毛。皂斗無柄, 三四個合生, 相距頗遠, 密生灰色茸毛; 大蕊花單生; 花柱三個, 幾直立, 無毛; 成熟皂斗單生, 幾球形, 高十三公厘, 直徑十四公厘, 包圍榲果三分之二, 苞片多數, 連合, 覆瓦狀排列, 闊卵圓形, 有細茸毛, 頂端鈍; 榲果扁圓形, 有細絲狀毛, 淡草黃色, 頂端有具有細茸毛之花柱基, 基部附著凸起大疤痕; 果皮薄; 內部為隔片所深隔。

江西: 修水縣, 幕阜山, 天岳堂, 山間; 喬木, 少見; 熊耀國, 05913 號(模式標本), 一九四七年, 九月十二日。

此種與他種不同處在其甚大橢圓形之葉下面帶白霜, 及其頗小之皂斗與榲果。

### **Lithocarpus kiangsiensis, sp. nov.**

Arbor; ramuli teretes, striati, cinereo-stellato-tomentellati, lenticellis rotundatis obtecti. Folia coriacea, elliptica, anguste elliptica vel ovato-elliptica, apice acuminata, basi late cuneata vel subrotundata, margine integra et leviter revoluta, utrinque glabrescentes, supra viridia, subtus glauca, 18-24 cm. longa, 6.5-10 cm. lata; costa media utrinque elevata; nervis lateralibus utrinsecus 11 jugis, alternatis vel suboppositis, tenuibus, utrinque elevatis, ad marginem arcuatis et anastomosantibus, sub angulo 60°-70° divergentibus; nervulis distinctis, subparallelis, reticulatis; petioli robusti, glabri, 2 cm. longi. Amenta pistillata ad 11 cm. longa, rhachi robusti, cinereo-stellato-tomentellati. Cupulae sessiles, 3-4-aggregatae, distantes, dense cinereo-tomentosae; flores pistillati solitarii; styli 3, suberecti, glabri. Cupula matura solitaria, subglobosa, 13 mm. alta, 14 mm. in diam., partem 2/3 glandis amplexans, squamis numerosis, coalescentibus, imbricatis, late ovatis, tomentellatis, apice obtusis; glans depresso globosa, minute sericea, pallide straminea, apice stylodio tomentellato, basi cicatrice magna convexa adnata praesens; pericarpium tenue, intus profunde septatum.

Kiangsi, Hsiushui Hsien, Mufu Shan, Tienyotang, among the hills; tree, rare; Y. K. Hsiung, no. 05913 (type), Sept. 12, 1947.

This species differs from others in its very large elliptic leaves glaucous beneath and in its rather small cupules and nuts.

### **華鵝耳櫪 *Carpinus cordata*, var. *chinensis* Franchet.**

江西修水縣: 黃龍山, 雷壩寺, 水溝邊; 喬木; 熊耀國 05628 號, 一九四七年八月二十日。  
分布: 陝西, 湖北, 四川; 新發現於江西。

### ***Carpinus cordata* Bl., var. *chinensis*, Franchet in Journ. de Bot. 13: 202 (1899).**

Kiangsi, Hsiushui Hsien: Hwanglung Shan, Lailungsze, beside streamlet; tree; Y. K. Hsiung no. 05628, Aug. 20, 1947.

Distribution: Shensi, Hupeh, Szechuan; newly discovered in Kiangsi.

**雷公榧** *Carpinus viminea* Wallich.

江西銅鼓縣：黃岡山，西河，溪邊；喬木；熊耀國 06436 號，一九四七年十月十五日。  
分布：廣東，廣西，浙江；新發現於江西；印度安南亦產之。

**Carpinus viminea**, Wallich, Pl. As. Rare, 2: 4, t. 106 (1831).

Kiangsi, Tungku Hsien: Hwangkang Shan, Hsiho, along stream; tree; Y. K. Hsiung no. 06436, Oct. 15, 1947.

Distribution: Kwangtung, Kwangsi, Chekiang, newly discovered in Kiangsi; also found in India and Annam.

**章氏耑耳榧** *Carpinus Tschonoskii* Maximowicz.

江西，修水縣，幕阜山，流水庵，水溝邊；喬木；少見；熊耀國 05830 號，一九四七年，九月十日。

分布：浙江，新發現於江西；日本朝鮮亦產之。

**Carpinus Tschonoskii** Maximowicz in Mel. Biol. 11: 313 (1881).

Kiangsi: Hsiushui Hsien, Mufu Shan, Liushuian, beside stream; tree; rare; Y. K. Hsiung no. 05830, Sept. 10, 1947.

Distribution: Chekiang, newly discovered in Kiangsi; also found in Korea and Japan.

**玫瑰朴樹** *Celtis Julianae* Schneider.

江西，修水縣：白沙橋，黃龍寺，山間；喬木；少見；熊耀國，05503 號，一九四七年，八月五日。

分布：湖北，新發現於江西。

**Celtis Julianae**, Schneider in Sargent, Pl. Wils. 3: 265 (1917).

Kiangsi: Hsiushui Hsien, Peishachao, Hwanglungsze, among the hills; tree; rare; Y. K. Hsiung, no. 05503, Aug. 5, 1947.

Distribution: Hupeh; newly discovered in Kiangsi.

**翼朴** *Pteroceltis Tartarinowii* Maximowicz.

江西，修水縣：伊山，長老棚，溪邊；喬木；少見；熊耀國 05260 號，一九四七年七月十三日。

分布：河北，山東，河南，陝西，甘肅，江蘇，湖北，四川，貴州；新發現於江西。

**Pteroceltis Tatarinowii** Maximowicz in Bull. Acad. Sci. St. Petersbourg, 18: 293, fig. (1873).

Kiangsi: Hsiushui Hsien, Yee Shan, Changloupeng, beside stream; tree; rare; Y. K. Hsiung no. 05260, July 13, 1947.

Distribution: Hopei, Shantung, Honan, Shensi, Kansu, Kiangsu, Hupeh, Szechuan, Kweichow; newly discovered in Kiangsi.

**銳齒亞洲海棠 *Malus asiatica* Nakii var. *argutiserrata* 新種。**

喬木高約六公尺, 葉皮紙質, 卵形至卵矩圓形, 頂端漸尖, 基部圓形至楔形, 邊緣具尖鋸齒, 長六至九公分, 闊三至四·五公厘, 上面有稀疏長軟毛, 下面有密生長軟毛, 果長卵形, 基部圓形, 頂端收縮, 長二公分, 闊一·五公分。

江西, 修水縣: 大板尖, 生山坡上, 近小路旁, 落葉喬木, 高約六公尺, 少見; 熊耀國 6669 號(模式標本)一九五〇年, 七月二十七日。

此變種與本種不同處在其具有尖鋸齒之葉下面有密生長軟毛, 其果亦不同, 在本種果爲倒卵形, 在此新變種果爲卵圓形。

亞洲海棠常見於朝鮮與中國北部, 但稀見於華中。

***Malus asiatica*, Nakai var. *argutiserrata*, var. nov.**

Arbor circiter 6 m. alta. Folia chartacea, ovata vel ovato-oblonga, acuminata, basi rotundata vel cuneata, margine argute serrata, plerumque 6-9 cm. longa, 3-4.5 cm. lata, supra laxe villosa, subtus dense villosa. Fructus ovatus, basi rotundatus, apice contractus, 2 cm. longus, 1.5 cm. latus.

Kiangsi: Hsiushui Hsien; Tapanjen, on slope, near path; deciduous tree about 6 m. high, rare; Y. K. Hsiung no. 6669 (type), July 27, 1950.

This variety differs from the type species chiefly in its sharply serrate leaf-margin with villose hairs beneath and also in the shape of the fruit. The fruit of the species is obovate while in this new variety it is ovate in shape.

*Malus asiatica* Nakai is commonly found in Korea and North China, but seldom occurs in Central China.

**軟毛吳茱萸 *Evodia mollicoma*, 新種。**

喬木; 樹皮灰色; 二年生小枝粗壯, 圓柱形, 有槽, 被有小白長圓形皮孔; 葉對生爲奇數羽複葉, 有四對小葉, 連葉柄長三十七公分; 小葉有短小葉柄, 小葉柄長二至五公厘, 頂生小葉柄長三分, 小葉薄革質, 闊短卵圓形, 闊矩圓形至矩橢圓形, 頂端驟尖, 基部幾圓形至闊楔形, 全緣微向外卷, 上面亮深綠色, 下面密生灰色星狀絨毛, 長八至十一公分, 闊六至七公分; 中脈在上面凹陷, 在下面凸起; 側脈十四至十五對, 彎曲, 成六十至七十度角; 葉柄與葉軸有稀疏短毛, 帶紫色, 葉柄長七公分, 小蕊花淡綠色, 五出, 成繖房狀圓錐花序長闊各二十公分; 序軸與果梗有頗密生短灰色星狀細茸毛; 萼片開張, 幾圓形, 鈍頭, 長約一公厘, 有纖毛; 花瓣直立, 矩圓形, 頂端尖, 外面無毛; 小蕊長約花瓣之二倍, 花絲鑽形, 有細毛, 花藥圓形, 長約一公厘; 退化子房密生長毛; 大蕊花與果未見。

江西: 修水縣, 白沙橋, 黃龍寺, 山間, 喬木, 稀見; 熊耀國 05502 號, (模式標本), 一九四七年, 八月五日; 樹皮與果治婦女月經不調及經痛等症, 土名朵根。

此新種與 *Evodia Baberi* Rehd. & Wils. 相近似處在其甚大之小葉與其五出之花; 其不同處在其葉之下面有密生灰色星狀茸毛與繖房圓錐狀花序。其與 *E. Bodinieri* Dode, *E. officinalis* Dode 與 *E. rutaecarpa* Benthham 不同處在其葉之下面有密生灰色星狀茸毛。

***Evodia mollicoma*, sp. nov.**

Arbor; cortice cinereo; ramuli annotini robusti, teretes, sulcati lenticellis parvis

albis ovalis notati. Folia opposita, imparipinnata, 4-juga, cum petiolo 37 cm. longa; foliola breviter petiolulata petiolulo 2-5 mm. longo, co folii terminalis 3 cm. longo, tenuiter coriacea, late oblongo-ovata, late oblonga vel oblongo-elliptica, apice cuspidata, basi subrotundata vel late cuneata, margine integra et leviter revoluta, supra nitide atroviridia, subtus dense cinereo-stellato-velutinoso, 8-11 cm. longa, 6-7 cm. lata; costa media supra sulcata subtus elevata, nervis lateralibus utrinsecus 14-15, arcuatis, sub angulo  $60^{\circ}$ - $70^{\circ}$  divergentibus; petioli et rhachis sparse breviter pilosi, purpurascens, 7 cm. longi. Flores staminati pallide virides, pentameri, in paniculas corymbosas 20 cm. longas et latas dispositi; rhachis et pedicelli breviter et satis dense cinereo-stellato-tomentelli; sepala patentia, suborbicularia, obtusa, vix 1 mm. longa, ciliata; petala erecta, oblonga, apice acute, extus glabra; stamina petalis duplo longiora, filamentis pilosulis, antheris orbicularibus, circiter 1 mm. longis; ovarium abortivum dense villosum. Flores pistillati et fructus non visi.

Kiangsi, Hsiushui Hsien; Peishachiao, Hwanglungsze, among hills; tree, rare; Y. K. Hsiung no. 05502 (type), Aug. 5, 1947; bark and fruit used as medicine, common name "dau-chiao".

This new species is closely allied to *E. Baberi* Rehd. & Wils. in its large leaflets and pentamerous flowers, differing in its densely gray-stellate-tomentose underside of the leaves and corymbose-paniculate inflorescence. From *E. Bodinieri*, Dode, *E. officinalis*, Dode and *E. rutaecarpa*, Benth. it differs in its densely gray-stellate-tomentose underside of the leaf.

#### 宜豐山桐 *Mallotus yifungensis*, 新種。

灌木或小喬木高約三公尺，本年小枝細瘦，密生灰色星狀硬毛，第二年無毛。葉互生，有長葉柄，葉柄長三至六公分，疏生星狀硬毛；葉片皮紙質，卵圓形，矩圓形，卵圓披針形至披針形，邊緣有稀疏圓鋸齒，齒有腺體，基部圓形，頂端漸尖，長五·五至十四公分，闊一·七至四·五公分，上面綠色，疏生星狀硬毛，下面淡綠色，沿中脈與側脈密生星狀硬毛。小蕊花萼五裂，裂片尖頭，小蕊多數，伸出；大蕊花萼片密生星狀硬毛，尖頭；子房密生硬毛，蒴果未成熟。

江西：宜豐縣，石陂，黃姑嶺，生林木中，灌木或小喬木，高至五公尺，花淡綠色，稀見；熊耀國 6613 號（模式標本），一九五〇年六月十五日。

此種與 *Mallotus Maclurei* Merr. 極為近似，不同處在其葉緣有圓形有腺體之齒，葉之兩面與花序均有星狀硬毛，與其較長之花梗。

#### *Mallotus yifungensis*, sp. nov.

Frutex vel arbor parva ad 5 m. alta; ramuli hornotini dense cinereo-stellato-hirsuti, annotini glabri. Folia alterna longe petiolata, petiolo 3-6 cm. longo, laxe stellato-hirsuto; lamina chartacea, ovata, oblonga, ovato-lanceolata vel lanceolata, margine remote crenulato-dentata, dentibus glandulosis, basi rotundata, apice acuminata, 5.5-14 cm. longa, 1.7-4.5 cm. lata, supra viridia, laxe stellato-hirsuta, subtus pallidiora, costa nervisque dense stellato-hirsutis. Calycis staminatis 5-fidi, lobis acutis, staminibus numerosis exsertis; sepalis pistillatis dense stellato-hirsutis, acutis; ovario dense hirsuto. Capsula immatura.

Kiangsi: Yifeng Hsien, Shihpeh, Hwangkuling, in woods, shrub or small tree about 3 m. high; flowers greenish, rare; Y. K. Hsiung no. 6613 (type), June 15, 1950.

This species is closely related to *Mallotus Maclurei* Merr., differing in its glandulose crenulate-dentate leaf-margin, its stellato-hirsute hairs covering nearly both the leaves and inflorescence and in its longer pedicels.

**江西黃楊木** *Buxus microphylla*, S. et Z. var. *kiangsiensis*, 新變種。

灌木高一·五公尺, 小枝上升, 無毛, 葉卵形至短圓卵形, 頂端漸尖, 基部楔形, 長二至二·五公分, 闊一至一·五公分, 兩面無毛。果卵圓形, 無毛, 長一·五公分, 闊一公分。

江西: 修水縣, 黃龍山, 玉皇殿, 在山谷中水旁; 灌木高一·五公尺, 熊燿國 5580 號(模式標本), 一九四七年, 八月二十日; 武寧縣, 鋸齒嶺, 鐵口裏, 在山谷中, 熊燿國 4154 號, 一九四七年八月二十日。

此變種之特性為有漸尖頭之葉與直立上升之枝, 此皆與原種不同處。

此變種在武寧修水及其鄰縣甚為常見。

***Buxus microphylla*, S. et Z. var. *kiangsiensis*, var. nov.**

Frutex circiter 1.5 m. alta, ramulis ascendentibus. Folia ovata vel oblongo-ovata, acuminate, basi cuneata, 2-2.5 cm. longa, 1-1.5 cm. lata, utrinque glabra. Fructus ovatus, glabers, 1.5 cm. longus, 1 cm. latus.

Kiangsi: Hsiushui Hsien, Hwanglung Shan, Yuhwangtien, in valley near water; shrub 1.5 m. high; Y. K. Hsiung no. 5580 (type), Aug. 20, 1947; Wuling Hsien, Chutzeking, Kuangkoli, in valley, Y. K. Hsiung no. 4154, Aug. 20, 1947.

This variety is characterized by its acuminate leaves and ascending branches both of which readily separate this variety from the type species.

**黃毛槲櫟** *Hovenia fulvotomentosa*, 新種。

喬木; 小枝圓柱狀, 有條紋, 亮紫色, 被有微小長形皮孔; 葉膜質, 幾圓形或闊卵形, 頂端漸尖, 基部闊心臟形至幾圓形, 在葉柄相連處稜成三角形楔形, 邊緣有小圓鋸齒, 上面深綠色, 幾無毛, 下面有黃色星狀茸毛, 長十二·五至十五·五公分, 闊八至十三·五公分; 主脈顯著; 自基部發出三條; 中脈在上面下陷, 在下面凸起, 兩側生主脈微彎; 中脈之側脈六至十條, 互生至幾對生, 在近邊緣處環結, 成六十度角, 自側生主脈發生之側脈九至十, 彎曲; 小脈橫列平行, 在下面顯著; 葉柄無毛, 長三至五公分, 聚繖花序腋生與頂生, 高七公分, 直徑四·五公分; 果序梗肉質, 有黃色星狀茸毛。成熟之果有彎曲之果柄長五至六公厘, 有黃色星狀茸毛; 果球形, 密生黃色星狀茸毛及長毛, 頂端有尖頭, 直徑約八公厘。

江西, 修水縣; 流水庵, 生山溝中, 喬木, 常見; 熊燿國 05833 號(模式標本), 一九四七年九月十日。

此種與 *Hovenia trichocarpa*, Chun et Tsiang 相近似, 其不同處在其幾圓形至闊楔形之葉在下面有黃色星狀茸毛, 與其被有黃色星狀茸毛及長毛之果。

***Hovenia fulvotomentosa*, sp. nov.**

Arbor; ramuli teretes, striati, nitide purpurei, lenticellis minutis elongatis obtekti. Folia membranacea, subrotundata, vel late ovata, apice acuminata, basi late

cordata vel suborbicularia, ad insertionem petioli abrupte triangulari-cuneata, margine crenulato-serrata, supra atroviridia et glabrescentia, subtus fulvo-stellato-tomentosa, 12.5-15.5 cm. longa, 8-13.5 cm. lata; costae prominentes, 3 ex ima basi ortae; costa media supra sulcata, subtus elevata, 2 laterales leviter curvatae; nervis e costa media utrinsecus 6-10, alternatis vel suboppositis, ad marginem anastomosantibus, sub angulo  $60^\circ$  divergentibus, e costis lateralibus 9-10, curvatis; nervuli transversim paralleli, subtus conspicui; petioli glabri, 3-5 cm. longi. Cymae axillares et terminales, 7 cm. altae et 4.5 cm. diametro, pedunculis fructiferis carnosissimis, fulvo-stellato-tomentosis. Fructus maturi pedicellis arcuatis 5-6 mm. longis fulvo-stellato-tomentosis suffulti, globosi, dense fulvo-stellato-tomentosi et longe pilosi, apice umbonati, circiter 8 mm. diametro.

Kiangsi: Hsiushui Hsien, Liushui, in ravine, tree, common; Y. K. Hsiung no. 05833 (type), sept. 10, 1947.

This species is closely allied to *Hovenia trichocarpa*, Chun et Tsiang, differing in its suborbicular to broadly ovate leaves fulvo-stellato-tomentose beneath, and in its fulvo-stellato-tomentose and long pilose fruits.

### 葡萄葉楸 *Tilia vitifolia*, 新種。

喬木；小枝圓柱狀，有條紋，無毛，本年生的帶黃色，二年生的紅紫色；葉皮紙質，斜卵形至斜幾圓形，長十二至十六公分，闊八至十五公分，微不規則分裂，頂端鈍或幾銳尖，基部斜截形至闊心臟形，邊緣有稀疏小尖鋸齒，齒有突頭，上面鮮綠色，無毛，下面色較淡，灰暗色，有稀疏星狀茸毛及在脈腋間多少有黃色鬚狀毛，主脈顯著，三四條自基部射出；中脈在兩面皆凸起，二三側生主脈彎曲；自中脈發出側脈二至三條，互生或幾對生，近邊緣處環結，成四十五度角，自側生主脈發出側脈三至五條，彎曲；小脈橫生，幾平行，稀疏，在下面顯著；葉柄長六至七公分，幾無毛或有毛，聚繖花序有十五至二十花；花序梗有稜幾無毛，長至十一·五公分，基部附著苞片上；花梗有稜，有稀疏或密生星狀毛；苞片匙形，長十一公分，闊三公分，在上面無毛，在下面疏生星狀茸毛；萼片卵圓披針形，頂端微尖，長六至七公厘，外面有星狀茸毛，內面有長毛；花瓣窄卵圓披針形，長八公厘，闊二至三公厘；退化小蕊五，花瓣狀，舌狀，長四至五公厘；子房幾球形，有五角，有星狀茸毛，花柱有稀疏毛，長四公厘，果未成熟。

江西：修水縣：余袁山，觀音堂，生山坡上，熊耀國 1491 號（模式標本），一九三九年夏季；約在同一地區，熊耀國 4074 號，一九三九年夏季；約在同一地區，熊耀國 6506 號，一九四七年十一月。

此種與 *Tilia endochrysea* Hand.-Mazz. 至為相近，不同處在其顯明斜形葉之基部，在其有稀疏尖齒之葉緣，及其有長梗匙形之苞片。

### *Tilia vitifolia*, sp. nov.

Arbor; ramuli teretes, striati, glabri, hornotini flavascentes, annotini rubro-purpurascens. Folia chartacea, oblique ovata vel oblique suborbicularia, 12-16 cm. longa, 8-15 cm. lata, leviter irregulariter lobata, apice obtusa vel subacuta, basi oblique truncata vel late cordata, margine remote argute denticulata, dentibus mucronatis, supra laete viridia glabra, subtus pallidiora, cinereo-sordida, laxe stellato-tomentulosa et in axillis venarum et venularum plus minusve fulvo-barbulata; costae prominentes, 3-4 ex ima basi ortae; costa media utrinque elevata, 2-3 laterales leviter curvatae; nervis e costa



media utrinsecus 2-3, alternatis vel suboppositis, ad marginem anastomosantibus, sub angulo  $45^\circ$  divergentibus, e costis lateralibus 3-5, curvatis; nervuli transversi subparalleli, laxi, subtus conspicui; petioli 6-7 cm. longi, glabrescentes vel pilosi. Cymae 15-20-florae; pedunculi angulares, glabrescentes, ad 11.5 cm. longi, ad basin bracteum adnati; pedicelli angulares, sparse vel dense stellato-pilosi; bractae spathulatae, 11 cm. longae, 3 cm. latae, supra glabrae, subtus sparse stellato-tomentosae; sepala ovato-lanceolata, acutiuscula, 6-7 mm. longa; ovario subglobo, 5-angulato, stellato-tomentoso, stylo sparse piloso, 4 mm. longo. Fructus immaturus.

Kiangsi: Hsiushui Hsien, Yuyuan Shan, Kwanyingtang, on slope, Y. K. Hsiung no. 1491 (type) summer 1939; about the same locality, Y. K. Hsiung no. 6506, nov. 1947.

This species is closely allied to *Tilia endochrysea* Hand-Mazz., differing in its sharply oblique leaf-base, in its remotely sharp-toothed leaf-margin and in its long-stalked large spathulate bracts.

**穆木** *Melliodendron xylocarpum* Hand-Mazz.

江西: 銅鼓縣, 黃岡山, 東河, 喬木, 高二十七公尺, 直徑五十公分; 常見; 熊耀國 06464 號, 一九四九年十月十五日。

分布: 湖南, 廣東, 福建; 新發現於江西。

**Melliodendron xylocarpum** Hand-Mazz., Symbol. Sinic., Teil. 7, Lief. 4: 805, 1936.

Kiangsi: Tungpu Hsien Hwangkang Shan, Tungho; tree 27 m., 50 cm. diam., frequent; Y. K. Hsiung no. 06464, Oct. 15, 1949.

Diistribution: Hunan, Kwangtung, Fukien; newly discovered in Kiangsi.